



D.J.  
#46 4-13-01  
Patent  
PD-200101  
J.D. [Signature]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: : Date: April 5, 2001  
DONALD C. D. CHANG ET. AL :  
Serial No. 09/661,725 : Group Art Unit: 2683  
Filed: September 14, 2000 :  
For: STRATOSPHERIC-BASED : Examiner: Urban, Edward F.  
COMMUNICATION SYSTEM  
FOR MOBILE USERS USING  
ADDITIONAL PHASED  
ARRAY ELEMENTS FOR  
INTERFERENCE  
REJECTION

RECEIVED  
APR 11 2001  
Technology Center 2600

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents  
Washington, D.C. 20231

Dear Sir:

The references cited on the enclosed form PTO-1449 (copies of references enclosed) are brought to the attention of the Office in accordance with the duty of disclosure defined in 37 C.F.R. 1.56 since they may be material to the examination of the above-identified patent application. USP 5,903,549 issued 5/11/99, for "Ground Based Beam Forming Utilizing Synchronized Code Division Multiplexing", Urban A. Von der Embse et. al is referred-to on page 2 of the above-identified patent application.

The attention of the Office is also directed to the following related copending patent applications (copies enclosed) assigned to Hughes Electronics Corporation, the assignee of the present application:

- (1) Serial No. 09/611,753, filed July 7, 2000, inventors: Donald C. D. Chang, Ming U. Chang, Ying Fera, Weizheng Wang and Alan Cha, for "Stratospheric-Based Communication System For Mobile Users", (Attorney Docket No. 200061);
- (2) Serial No. 09/644,224, filed August 21, 2000, inventors: Donald C. D. Chang and Alan Cha, for "Stratospheric-Based

- Communication System For Mobile Users Having Adaptive Interference Rejection", (Attorney Docket No. 200085);
- (3) Serial No. 09/661,967, filed September 14, 2000, inventors: Donald C. D. Chang, Ming U. Chang and Ying Fera, for "Stratospheric-Based Communication System For Mobile Users Having Cross Canceling Interference Rejection", (Attorney Docket NO. 200108);
- (4) Serial No. 09/655,041, filed September 5, 2000, inventors: Donald C. D. Chang, Frank A. Hagen , Kar W. Yung and Weizheng Wang, for "Ground-Based Wavefront Projection Beamformer For A Stratospheric Communcations Platform (Attorney Docket No. No. 200119).

This Information Disclosure Statement is not to be construed as a representation that a search has recently been made, that additional information material to the examination of this application does not exist, or that this citation constitutes prior art.

Respectfully submitted,  
DONALD C. D. CHANG ET. AL

By: Vijayalakshmi D. Duraiswamy  
Vijayalakshmi D. Duraiswamy  
Attorney for Applicant  
Registration No. 31,505

Encl: Form PTO-1449

HUGHES ELECTRONICS CORPORATION  
PATENT DOCKET ADMINISTRATION  
Bldg. 001, M.S. A109,  
P.O.Box 956, El Segundo, CA 90245-0956

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: the Commissioner of Patents, Washington, D.C. 20231, on

April 5, 2001  
(Date of Deposit)

V. D. Duraiswamy

Name of applicant, assignee, or  
Registered Representative

Reg. No. 31,505

V. D. Duraiswamy  
Signature

April 5, 2001  
Date of Signature